

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P944290

Luminaire Tested: **GALN-SB9A-935-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9A-935-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28750 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

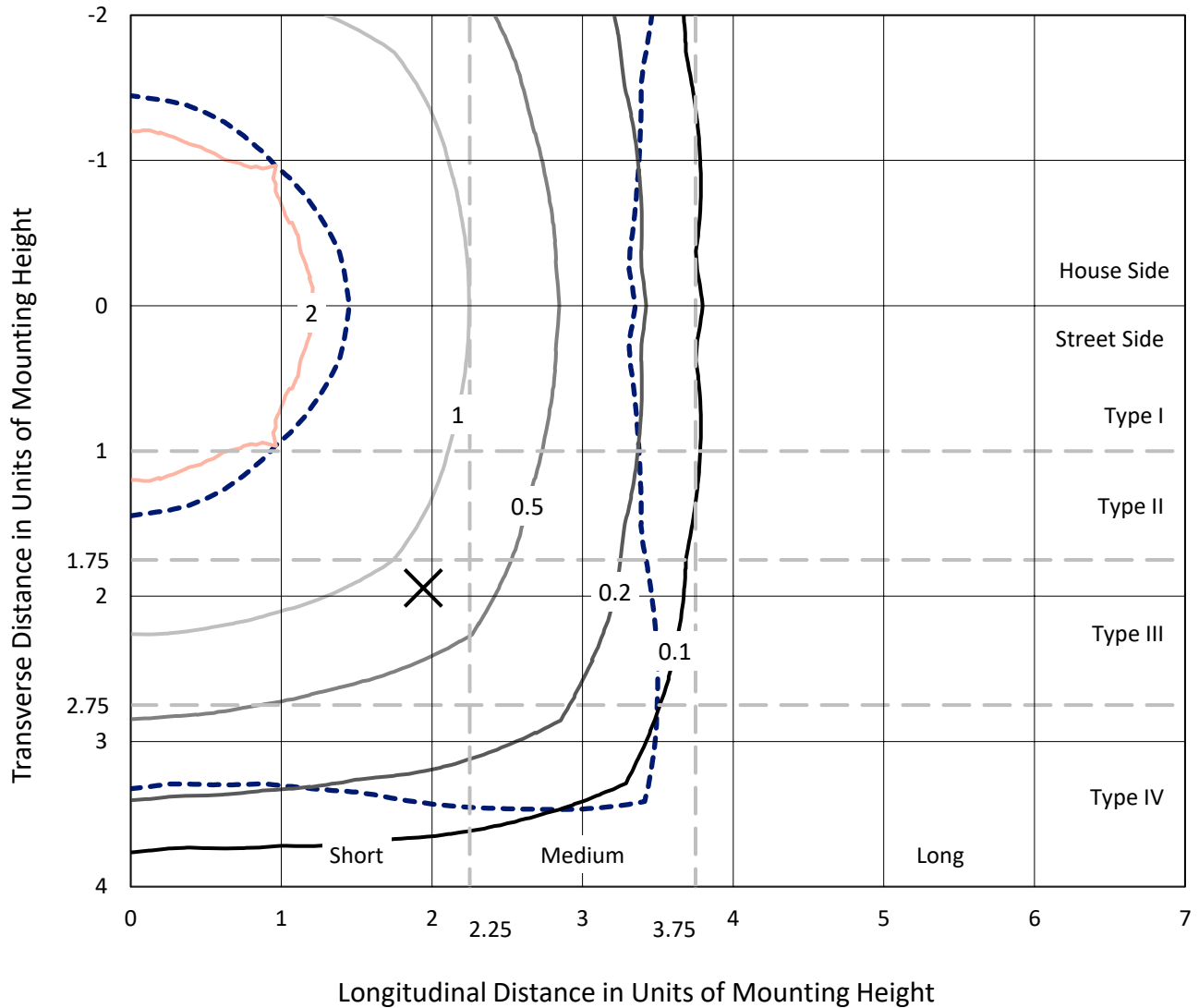
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

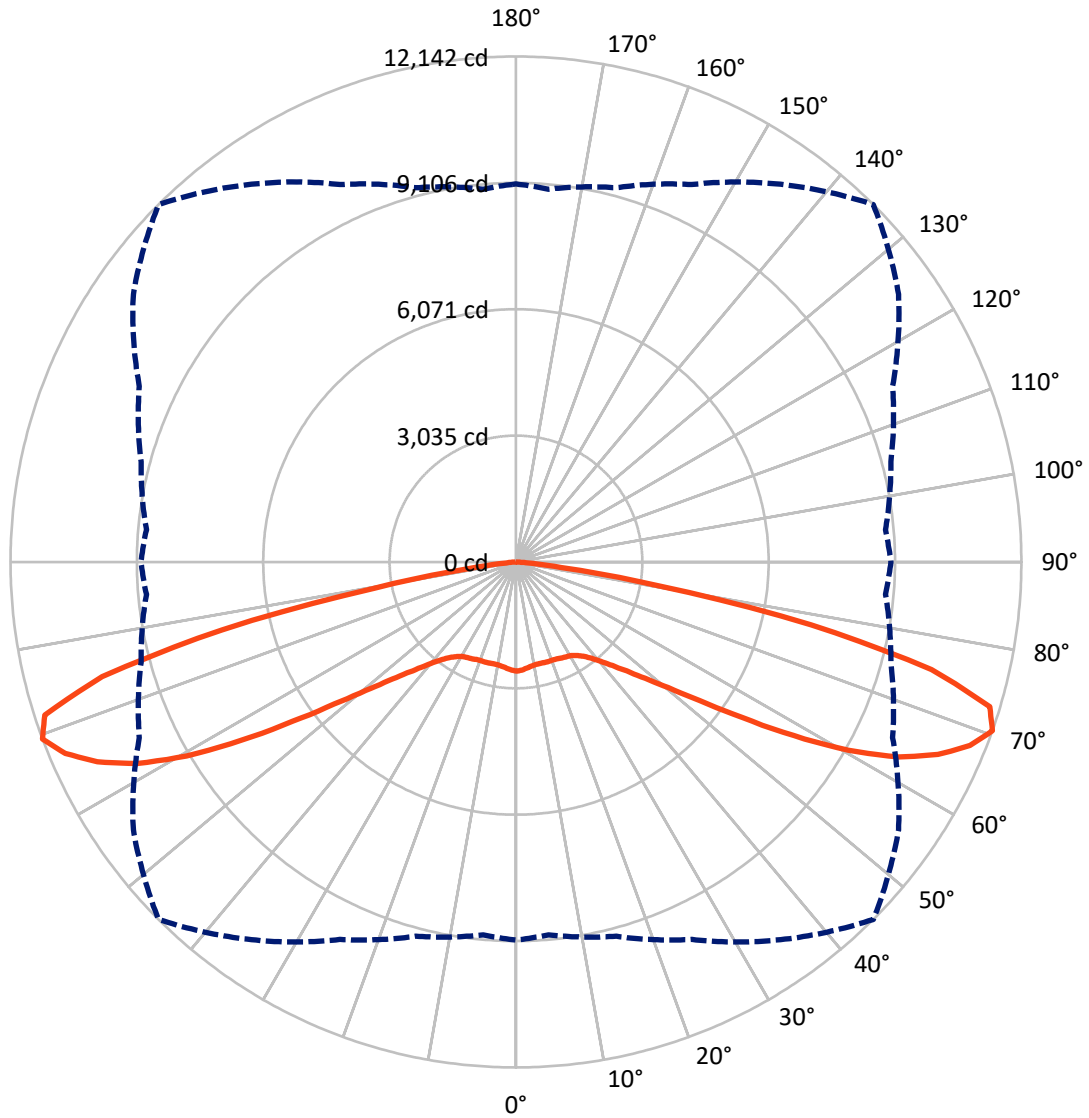
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14375.0	0.0	14375.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14375.0	0.0	14375.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28750.0	0.0	28750.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.0	0.8
10°-20°	716.3	2.5
20°-30°	1192.1	4.1
30°-40°	1802.8	6.3
40°-50°	2995.8	10.4
50°-60°	5653.0	19.7
60°-70°	9545.3	33.2
70°-80°	6272.2	21.8
80°-90°	328.6	1.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	28750.0	100.0
0°-180°	28750.0	100.0



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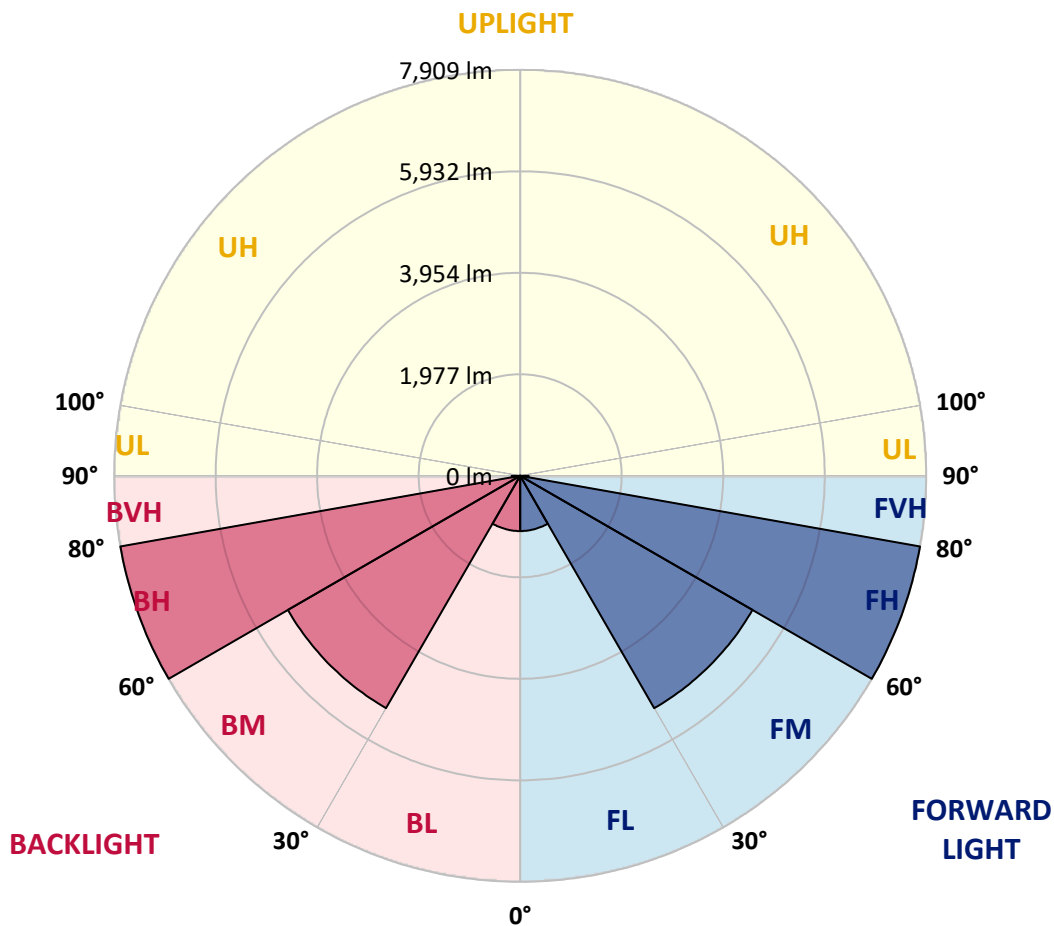
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1076.2	3.7			
FM (30°-60°)	5225.8	18.2			
FH (60°-80°)	7908.7	27.5			G4/12000
FVH (80°-90°)	164.3	0.6			G2/225
BL (0°-30°)	1076.2	3.7	B3/2500		
BM (30°-60°)	5225.8	18.2	B4/8500		
BH (60°-80°)	7908.7	27.5	B5		G4/12000
BVH (80°-90°)	164.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2622.6	2622.6	2622.6	2622.6	2622.6	2622.6	2622.6	2622.6	2622.6	2622.6
2.5°	2606.1	2613.6	2610.6	2604.6	2604.6	2600.2	2604.6	2607.6	2612.1	2615.1
5°	2571.8	2577.7	2576.3	2571.8	2573.3	2568.8	2571.8	2576.3	2579.2	2580.7
7.5°	2541.9	2547.9	2544.9	2537.4	2537.4	2532.9	2534.4	2538.9	2543.4	2544.9
10°	2534.4	2540.4	2531.4	2519.5	2515.0	2509.0	2510.5	2515.0	2524.0	2528.4
12.5°	2537.4	2541.9	2532.9	2515.0	2510.5	2504.5	2504.5	2509.0	2521.0	2526.9
15°	2546.4	2550.9	2537.4	2518.0	2513.5	2509.0	2507.5	2513.5	2526.9	2537.4
17.5°	2562.8	2567.3	2546.4	2519.5	2513.5	2515.0	2513.5	2518.0	2538.9	2558.3
20°	2577.7	2580.7	2552.3	2519.5	2513.5	2515.0	2513.5	2522.5	2549.4	2576.3
22.5°	2582.2	2585.2	2558.3	2529.9	2525.4	2526.9	2525.4	2534.4	2559.8	2586.7
25°	2583.7	2588.2	2567.3	2544.9	2552.3	2555.3	2552.3	2553.8	2573.3	2597.2
27.5°	2606.1	2612.1	2592.7	2573.3	2577.7	2576.3	2580.7	2585.2	2600.2	2624.1
30°	2652.5	2656.9	2640.5	2621.1	2618.1	2607.6	2621.1	2636.0	2652.5	2673.4
32.5°	2728.7	2737.6	2716.7	2695.8	2682.4	2676.4	2686.8	2712.2	2734.7	2757.1
35°	2855.7	2861.7	2842.2	2803.4	2779.5	2779.5	2788.5	2821.3	2857.2	2885.6
37.5°	3035.0	3042.5	3008.1	2961.8	2925.9	2925.9	2937.9	2972.3	3026.1	3066.4
40°	3253.2	3263.7	3220.3	3172.5	3138.1	3132.2	3147.1	3185.9	3236.8	3287.6
42.5°	3516.2	3528.2	3471.4	3429.5	3402.6	3402.6	3410.1	3446.0	3492.3	3555.1
45°	3852.4	3873.3	3795.6	3753.8	3728.4	3734.4	3738.9	3770.2	3812.1	3883.8
47.5°	4252.9	4273.8	4191.6	4148.3	4143.8	4172.2	4154.3	4176.7	4199.1	4281.3
50°	4707.2	4743.1	4686.3	4683.3	4692.2	4744.6	4702.7	4714.7	4689.3	4741.6
52.5°	5263.1	5315.4	5304.9	5322.9	5423.0	5530.6	5434.9	5393.1	5297.5	5313.9
55°	5937.0	6016.2	6031.2	6138.8	6365.9	6585.6	6382.4	6213.5	6010.3	5972.9
57.5°	6703.6	6766.4	6838.1	7057.8	7482.2	7872.2	7482.2	7108.6	6788.8	6712.6
60°	7528.5	7606.2	7675.0	7999.2	8629.9	9178.3	8617.9	8024.6	7601.7	7498.6
62.5°	8414.7	8514.8	8562.6	8922.7	9658.0	10312.5	9668.4	8949.6	8480.4	8369.8
65°	9265.0	9347.1	9400.9	9785.0	10487.3	11143.3	10535.1	9826.8	9344.2	9199.2
67.5°	9661.0	9705.8	9837.3	10272.1	11013.3	11762.0	11138.9	10318.5	9779.0	9525.0
70°	9081.1	8990.0	9306.8	10003.2	11076.1	12141.6	11219.6	9982.2	9321.7	8909.3
72.5°	7017.5	6860.5	7410.5	8601.5	10358.8	11899.5	10430.5	8668.7	7752.7	6915.8
75°	3818.1	3640.2	4399.4	5905.7	8260.7	10314.0	8450.5	6074.5	4898.5	3789.7
77.5°	1077.4	1010.2	1622.9	2857.2	4968.7	7241.6	5160.0	2920.0	1924.7	1141.7
80°	330.3	319.8	433.4	860.7	2110.0	3468.4	2027.8	871.2	551.4	348.2
82.5°	195.8	179.3	215.2	313.8	538.0	1089.4	523.0	327.3	263.0	176.3
85°	112.1	104.6	127.0	152.4	180.8	231.6	150.9	155.4	140.5	94.1
87.5°	46.3	41.8	49.3	47.8	41.8	53.8	40.3	47.8	56.8	37.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2622.6
2613.6
2580.7
2544.9
2528.4
2528.4
2538.9
2558.3
2577.7
2586.7
2595.7
2618.1
2668.9
2748.1
2875.1
3051.5
3271.1
3550.6
3880.8
4257.4
4710.2
5258.6
5914.6
6658.8
7409.0
8280.2
9127.5
9528.0
9007.9
7123.6
4036.2
1268.7
367.6
191.3
98.6
34.4
0.0

OF REPORT)